



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
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013817

D130-1048-052  
Job Sheet 204463



Part No: D130-1048-052

Job Qty: 1 pcs

Part Name: H130/EC130 - Wearplates - DART & OEM Replacement - Basic - RH



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 12/11/19

Job Tracking No:

Due Date: 1/10/20

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: IIN-D130-1048 REV.D IPP REV:A 19.06.20 19.06.20 NEW ISSUE DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

| Op No | Operation              | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off |
|-------|------------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|----------|
|       |                        |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |          |
| 110   | Packaging 1 - Pick Kit | 1 pcs | 1/10/20    |          | 0.00      | 0.00    | Packaging 1 - 1       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 2       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 3       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 4       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 5       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 6       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 7       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 8       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 9       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 10      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 11      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 12      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 13      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 14      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 15      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 16      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 17      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 18      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 19      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 20      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 21      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 22      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 23      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 24      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 25      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 26      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 27      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 28      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 29      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 30      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 31      |           |          |

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JAN 09 2020



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Email: sales@dartaero.com  
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Container No: S245817



Part: D130-1048-052

Job No: 204463

Serial No/Batch: S245817

Revision: D

Inspector:

Exp Date:

Instructions: TC STC SH19-4 Issue 1 of 1  
FAA STC SR04320N

|                                                                         |       |         |           |                        |                  |
|-------------------------------------------------------------------------|-------|---------|-----------|------------------------|------------------|
| 120 QC 4                                                                | 1 pcs | 1/10/20 | 0.00 0.00 | Packaging 1 - 32       |                  |
|                                                                         |       |         |           | Packaging 1 - 33       |                  |
|                                                                         |       |         |           | Packaging 1 - 34       |                  |
|                                                                         |       |         |           | Packaging 1 - 35       |                  |
|                                                                         |       |         |           | Packaging 1 - 36       |                  |
|                                                                         |       |         |           | QC 4 - 28              |                  |
|                                                                         |       |         |           | QC 4 - 58              |                  |
|                                                                         |       |         |           | QC 4 - 69              |                  |
|                                                                         |       |         |           | QC 4 - 9               |                  |
|                                                                         |       |         |           | QC 4 - 46              |                  |
|                                                                         |       |         |           | QC 4 - 68              |                  |
|                                                                         |       |         |           | QC 4 - 72              |                  |
|                                                                         |       |         |           | QC 4 - 74              | DAS              |
| 130 Packaging 3-1 - Stock - B4B                                         | 1 pcs | 1/10/20 | 0.00 0.00 | QC 4 - 75              | 78 JAN 08 2020   |
|                                                                         |       |         |           | QC 4 - 78              | 9-89             |
|                                                                         |       |         |           | Packaging 3 - 1 - B4B  | 172-001 H 20-1-8 |
|                                                                         |       |         |           | Packaging 3 - 2 - B4B  |                  |
|                                                                         |       |         |           | Packaging 3 - 3 - B4B  |                  |
|                                                                         |       |         |           | Packaging 3 - 4 - B4B  |                  |
|                                                                         |       |         |           | Packaging 3 - 5 - B4B  |                  |
|                                                                         |       |         |           | Packaging 3 - 6 - B4B  |                  |
|                                                                         |       |         |           | Packaging 3 - 7 - B4B  |                  |
|                                                                         |       |         |           | Packaging 3 - 8 - B4B  |                  |
|                                                                         |       |         |           | Packaging 3 - 9 - B4B  |                  |
|                                                                         |       |         |           | Packaging 3 - 10 - B4B |                  |
|                                                                         |       |         |           | Packaging 3 - 11 - B4B |                  |
| Packaging 3 - 12 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 13 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 14 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 15 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 16 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 17 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 18 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 19 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 20 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 21 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 22 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 23 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 24 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 25 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 26 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 27 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 28 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 29 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 30 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 31 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 32 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 33 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 34 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 35 - B4B                                                  |       |         |           |                        |                  |
| Packaging 3 - 36 - B4B                                                  |       |         |           |                        |                  |
| 135 DC - 1 - B4B                                                        | 1 pcs | 1/10/20 | 0.00 0.00 | DC - 1 - B4B           | DAS 21 9-89      |
|                                                                         |       |         |           | DC - 2 - B4B           | 21 9-89          |
| 140 QC 21 - FG                                                          | 1 pcs | 1/10/20 | 0.00 0.00 | QC 21 - FG - 21        | DAS 21 9-89      |
|                                                                         |       |         |           | QC 21 - FG - 70        | 21 9-89          |
|                                                                         |       |         |           | QC 21 - SA - 53        | 21 9-89          |
| Part Op 110 - (Pick Kit)                                                |       |         |           |                        |                  |
| Descriptions: 120 - (QC4- 100% Inspect kits for completeness)           |       |         |           |                        |                  |
| 130 - Identify and pack for shipping as per PPP D130-1048-052 Location: |       |         |           |                        |                  |

135 - (Document Control) Photocopy blue file and create labels as per PPP D130-1048-052 chg 001  
140 - QC21 (QC21- Final Inspection - Work Order Release)

| Job BOM                            |                                  |              |                            |           |
|------------------------------------|----------------------------------|--------------|----------------------------|-----------|
| Part/ Item                         | Component Name                   | Quantity     | Operation                  | Container |
| AN3C5A                             | Bolt                             | 8 Ea (8 ea)  | 110-Packaging 1 - Pick Kit | 5237825   |
| D5465-2                            | FWD RH OEM Replacement Wearplate | 1 pcs (1 ea) | 110-Packaging 1 - Pick Kit | 5196346   |
| D5478-1                            | AFT OEM Replacement Wearplate    | 1 pcs (1 ea) | 110-Packaging 1 - Pick Kit | 5196088   |
| NAS1149C0332R                      | Washer (AN960C10L)               | 8 Ea (8 ea)  | 110-Packaging 1 - Pick Kit | 5225629   |
| Job Allocations                    |                                  |              |                            |           |
| Operation                          | Component Part                   | Required     | Inventory                  | Allocated |
| 110-Packaging 1 - Pick Kit         | AN3C5A                           | 8            | 929                        | 0         |
|                                    | D5465-2                          | 1            | 4                          | 0         |
|                                    | D5478-1                          | 1            | 14                         | 0         |
|                                    | NAS1149C0332R                    | 8            | 3,824                      | 0         |
| Part Specifications                |                                  |              |                            |           |
| Specifications could not be found. |                                  |              |                            |           |

Plex 12/11/19 9:57 AM Dart.lajeunesse.marie

|                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |                                                                                                         |                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                 |  |                                                                                                                                      |  |                                                                                                                                                     |                        |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------|----------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--|--|--|--|--|--|
| Job: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             | DISPOSITION                                                                                             |                |  | DEPARTMENT/PROCESS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                 |  |                                                                                                                                      |  |                                                                                                                                                     |                        |  |  |  |  |  |  |
| Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                              |             | Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> |                |  | Skid-tube <input type="checkbox"/><br>Machining <input type="checkbox"/><br>Large Fab <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | Cross tube <input type="checkbox"/><br>Small Fab <input type="checkbox"/><br>Finishing <input type="checkbox"/> |  | Eng. (Non-AW) <input type="checkbox"/><br>Prod. Eng. Coord. <input type="checkbox"/><br>Rec/Store/Packaging <input type="checkbox"/> |  | Engineering <input type="checkbox"/><br>Water Jet <input type="checkbox"/><br>Supplier <input type="checkbox"/><br>Quality <input type="checkbox"/> |                        |  |  |  |  |  |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Sequence #: |                                                                                                         | QTY Affected : |  | MRB (QS1042)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                 |  |                                                                                                                                      |  |                                                                                                                                                     |                        |  |  |  |  |  |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                            |             |                                                                                                         |                |  | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                 |  |                                                                                                                                      |  |                                                                                                                                                     |                        |  |  |  |  |  |  |
| <div>Root Cause</div> <div><div>Operator <input type="checkbox"/></div><div>Manufacturing Process <input type="checkbox"/></div><div>Equip/Tooling <input type="checkbox"/></div><div>Handling/Preservation <input type="checkbox"/></div><div>Material <input type="checkbox"/></div><div>Product Improvement <input type="checkbox"/></div><div>Process Improvement <input type="checkbox"/></div><div>Human Factors <input type="checkbox"/></div></div> |             |                                                                                                         |                |  | <div>FAULT CATEGORY</div> <div><div>Pressure/Forced <input type="checkbox"/></div><div>Bending <input type="checkbox"/></div><div>Crushing <input type="checkbox"/></div><div>Cracks <input type="checkbox"/></div><div>Crimp/Kink/Ripple/Wave/Twist <input type="checkbox"/></div><div>Marks/Chatter <input type="checkbox"/></div><div>Mislabeled <input type="checkbox"/></div><div>Other/Details: _____</div></div> <div><div>Contamination <input type="checkbox"/></div><div>Misaligned/off center <input type="checkbox"/></div><div>BOM/Route <input type="checkbox"/></div><div>Broken/Damage/Defect <input type="checkbox"/></div><div>Incomplete/Unclear Instructions <input type="checkbox"/></div><div>Drill Holes <input type="checkbox"/></div><div>Fit/Function <input type="checkbox"/></div></div> <div><div>Power Loss/Surge <input type="checkbox"/></div><div>Folio/Program <input type="checkbox"/></div><div>Grain Direction <input type="checkbox"/></div><div>Weld <input type="checkbox"/></div><div>Wrong Stock Pulled <input type="checkbox"/></div><div>Out of Sequence <input type="checkbox"/></div><div>Off-set/Set-up <input type="checkbox"/></div></div> <div><div>Positioned Wrong <input type="checkbox"/></div><div>Outside Tolerance <input type="checkbox"/></div><div>Drawing <input type="checkbox"/></div><div>Finish <input type="checkbox"/></div><div>Part Lost/Missing <input type="checkbox"/></div><div>Misread <input type="checkbox"/></div></div> |  |                                                                                                                 |  |                                                                                                                                      |  |                                                                                                                                                     |                        |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |                                                                                                         |                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                 |  |                                                                                                                                      |  |                                                                                                                                                     | Completed By           |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |                                                                                                         |                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                 |  |                                                                                                                                      |  |                                                                                                                                                     | Lead hand / Supervisor |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |                                                                                                         |                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                 |  |                                                                                                                                      |  |                                                                                                                                                     | QC / QA Coordinator    |  |  |  |  |  |  |



JUN 25 2019  
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PPP

|             |                               |                 |  |           |  |
|-------------|-------------------------------|-----------------|--|-----------|--|
| Part Number | D130-1048-052                 | Box Part Number |  | Dimension |  |
| Description | REPLACEMENT<br>WEARPLATES, RH | Other Packaging |  |           |  |
|             |                               | Logo Decals     |  |           |  |

Packaging Instructions and Decal Placement

D130-1048-052

D2729-3



**Dart Aerospace Ltd.**  
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TEL.: 1 613 632-5200

REPLACEMENT WEARPLATES, RH

P/N: D130-1048-052      CHG001

S/N: SXXXXXX

Revision: DRAFT  
Date: 19.06.20

5.0 PARTS LISTS

5.1 D130-1048-011/-012/-013/-014/-051/-052/-053 Skidtube and Wearplates

| QTY<br>-011 | QTY<br>-012 | QTY<br>-013 | QTY<br>-014 | QTY<br>-051 | QTY<br>-052 | QTY<br>-053 | P/N                         | DESCRIPTION                                    |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------------|------------------------------------------------|
| X           |             |             |             |             |             |             | D130-1048-011               | BASIC SKIDTUBE INSTALLATION, LH                |
|             | X           |             |             |             |             |             | D130-1048-012               | BASIC SKIDTUBE INSTALLATION, RH                |
|             |             | X           |             |             |             |             | D130-1048-013               | HEAVY DUTY SKIDTUBE<br>INSTALLATION, LH        |
|             |             |             | X           |             |             |             | D130-1048-014               | HEAVY DUTY SKIDTUBE<br>INSTALLATION, RH        |
| 1           |             | 1           |             | X           |             |             | D130-1048-051 (2)(3)        | REPLACEMENT WEARPLATES, LH                     |
|             | 1           |             | 1           |             | X           |             | D130-1048-052 (2)(3)        | REPLACEMENT WEARPLATES, RH                     |
|             |             | 1           | 1           |             |             | X           | D130-1048-053 (3)           | MIDTUBE WEARPLATE KIT                          |
| 1           |             | 1           |             |             |             |             | D130-1048-041               | SKIDTUBE ASSY, LH                              |
|             | 1           |             | 1           |             |             |             | D130-1048-042               | SKIDTUBE ASSY, RH                              |
|             |             |             |             | 1           |             |             | D5465-1                     | FWD WEARPLATE, LH                              |
|             |             |             |             |             | 1           |             | D5465-2                     | FWD WEARPLATE, RH                              |
|             |             |             |             | 1           | 1           |             | D5478-1                     | AFT WEARPLATE                                  |
|             |             |             |             |             |             | 1           | D5613-041                   | MIDTUBE WEARPLATE                              |
|             |             |             |             | 8           | 8           |             | AN3C5A                      | BOLT                                           |
|             |             |             |             | 8           | 8           |             | NAS1149C0332R               | WASHER                                         |
|             |             |             |             |             |             | 2           | D5678-1 (4)                 | NUT                                            |
|             |             |             |             |             |             | 2           | D4012-1                     | CUSHION                                        |
|             |             | 1           | 1           |             |             |             | D5569-1 (3)                 | SKIDTUBE BLADE                                 |
| 1           | 1           |             |             |             |             |             | D5569-3 (2)                 | SKIDTUBE BLADE                                 |
| 1           | 1           | 1           | 1           |             |             |             | D5570-1 (2)(3)              | BLADE PLUG                                     |
| 1           | 1           | 1           | 1           |             |             |             | 22201BC120090L<br>(1)(2)(3) | BOLT                                           |
| 1           | 1           | 1           | 1           |             |             |             | 23111AG120LE<br>(1)(2)(3)   | WASHER (or NAS1149C0832R)                      |
| 1           | 1           | 1           | 1           |             |             |             | ASN52320BH120N<br>(1)(2)(3) | NUT                                            |
| 6           | 6           | 6           | 6           |             |             |             | D5594-1 (2)(3)              | GH BUSHING                                     |
| 6           | 6           | 6           | 6           |             |             |             | D5594-3 (2)(3)              | GH WASHER                                      |
| 3           | 3           | 3           | 3           |             |             |             | AN8C56A (2)(3)              | BOLT                                           |
| 3           | 3           | 3           | 3           |             |             |             | NAS1149C0832R<br>(2)(3)     | WASHER                                         |
| 3           | 3           | 3           | 3           |             |             |             | NAS1291C (2)(3)             | NUT                                            |
| 1           | 1           | 1           | 1           |             |             |             | DHS411-101.3106 (1)         | BOLT                                           |
| 1           | 1           | 1           | 1           |             |             |             | 23111AG100LE (1)            | WASHER (or NAS1149C0732R)                      |
| 1           | 1           | 1           | 1           |             |             |             | ASNA0045BC100L (1)          | NUT, CASTELLATED                               |
| 1           | 1           | 1           | 1           |             |             |             | EN2367-18028 (1)            | COTTER PIN (or MS24665-231)                    |
| 20          | 20          | 20          | 20          |             |             |             | MS21141S0605                | MAXIBOLT, BLIND, PAN HEAD<br>(or CR7621S06-05) |

(1) Airbus Helicopter Part Numbers (or alternative) included in kit  
(2) Pre-assembled on D130-1048-011/-012 Skidtube  
(3) Pre-assembled on D130-1048-013/-014 Skidtube  
(4) Pre-assembled on D5613-041 Midtube Wearplate